MODIFED ESTIMATE

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to CC Roads and Drains at Agrahara Village in ward No. 05

								Estimated cost Rs	**5000000**
Sl No	**Description of Item**	**Unit**	**No**	**L**	**B**	**D**	**Qty**	**Rate**	**Amount**
1	Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum							
	For Road Surface								
	V R Super Market BackSide		1	83.30	5.65	0.30	141.19		
	New CC Drain								
	Cross Road		1	57.30	1.50	1.05	90.25		
	Cross Road		1	35.30	1.10	1.05	40.77		
	Drain Desilt								
	BS slab Drain								
	Venkataswammi House		1	25.20	0.45	0.45	5.10		
	Cross Road		1	150.00	0.60	0.60	54.00		
	For New Slab Drain								
	Nagesh House		1	116.60	0.75	0.75	65.59		
	For New SSm Drain								
	VR Super Market Oppossite		1	63.30	2.20	1.2	163.41		
	Raju House		1	80.60	2.20	1.20	212.78		
	For Flaging Course								
	Venkataswammi House		2	25.20	0.45	0.45	10.21		
	Temple opposite Road		2	11.5	0.45	0.6	6.2		
						Total	**789.51**		
						Tender Quantity	**462.13**		
						Qty upto 125%	**577.66**	**137.80**	**79602.00**
						Qty above 125%	**211.85**	**137.80**	**29193.00**
	Basic rate	130							
	Area weghtage @ 6%	7.8							
	Total	137.8							
2	Removing B.S slab of drain and stacking specifications and direction of site engineer in in charge of the work	Sqm							
	Cross Road		1	150.00	1.80		270.00		
							67.50		
	deduct 25% missing slab						202.50		
						Total	**202.50**	**104.94**	**21250.00**
						Tender Quantity	**804.38**		
	Basic rate	99							
	Area weghtage @ 6%	5.94							
	Total	104.94							
3	Refixing stone slabs of drains and pointing in CM (1:3) specifications and direction of site engineer in incharge of the work	Sqm							
		qty vide item no 2					202.50		
						Total	**202.50**	**111.30**	**22538.00**
						Tender Quantity	**804.38**		
	Basic rate	105							
	Area weghtage @ 6%	6.3							

	Total	111.3							
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar(1:6) including fixing curing etc and as per the directions of the Engineer-in-charge of the work,	Sqm							
	For New Slab Drain								
	Nagesh House		1	116.60	1.80		209.88		
	Cross Road		1	37.60	1.80		67.68		
						Total	**277.56**	**742.00**	**205950.00**
						Tender Quantity	**433.13**		
	Basic rate	700							
	Area weghtage @ 6%	42							
	Total	742							
5	Construction of Rolled Cement Concrete mix 1:4:8 OPC cement @180kgs, with 25mm and down size graded granite metal coarse aggregate at 0.85cum and fine aggregates @0.57cum base course with coarse and fine aggregate conforming to IS:383, aggregate cement ratio 12:1 and minimum cement content of 180kg/ cum, aggregate gradation to be as per Table 600-4 after blending, mixing in batching plant at optimum moisture content, transporting to site, laying with a paver with electronic sensor, compacting with 8-10 tonnes smooth wheeled vibratory roller to achieve, the designed flexural strength, finishing and curing complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum							
	CC Road								
	V R Super Market BackSide		1	83.30	5.65	0.15	70.60		
	For New SSm Drain								
	VR Super Market Oppossite		1	63.30	2.2	0.15	20.9		
	Raju House		1	80.60	2.2	0.15	26.6		
	For Flaging Course								
	Venkataswammi House		2	25.20	0.45	0.15	3.402		
	Temple opposite Road		2	11.50	0.45	0.15	1.6		
						Total	**123.04**	**3606.12**	**443690.69**
						Tender Quantity	**127.65**		
	Basic rate	3402							
	Area weghtage @ 6%	204.12							
	Total	3606.12							
6	Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum							
	For New SSm Drain								
	VR Super Market Oppossite		2	63.40	0.70	0.50	44.38		
	Raju House		2	80.6	0.70	0.50	56.4		

							Total	**100.80**		
							Tender Quantity	**43.20**		
							Qty upto 125%	**54.00**	**4871.76**	**263075.00**
							Qty above 125%	**46.80**	**4871.76**	**227998.00**
	Basic rate	4596								
	Area weghtage @ 6%	275.76								
	Total	4871.76								
7	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications and as per the directions of the Engineer-in-charge of the work	Cum								
	For New SSm Drain		2	63.40	0.55	0.50	34.87			
	VR Super Market Oppossite		2	80.6	0.55	0.50	44.33			
	Raju House						**Total**	**79.20**		
							Tender Quantity	**27.00**		
							Qty upto 125%	**33.75**	**5811.98**	**196154.00**
							Qty above 125%	**45.45**	**5811.98**	**264154.00**
	Basic rate	5483								
	Area weghtage @ 6%	328.98								
	Total	5811.98								
8	Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum								
	For New SSm Drain		2	63.40	0.55	0.10	6.97			
	VR Super Market Oppossite		2	80.6	0.55	0.10	8.87			
	Raju House									
	Vent bed		1	63.4	0.65	0.10	4.12			
	VR Super Market Oppossite		1	80.6	0.65	0.10	5.24			
	Raju House									
	For Flaging Course									
	Raju House		2	25.2	0.2	0.1	1.01			
	Venkataswammi House		2	11.5	0.2	0.1	0.46			
	Temple opposite Road		2	116.6	0.2	0.1	4.66			
	Nagesh House						**Total**	**31.33**	**5627.54**	**176322.00**
							Tender Quantity	**47.60**		
	Basic rate	5309								
	Area weghtage @ 6%	318.54								
	Total	5627.54								
9	Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
	For New SSm Drain	Sqm								
	VR Super Market Oppossite		2	63.40		0.60	76.08			

	Raju House		2	80.6		0.60	96.72		
						Total	**172.80**		
						Tender Quantity	**60.00**		
						Qty upto 125%	**75.00**	**149.46**	**11210.00**
						Qty above 125%	**97.80**	**149.46**	**14617.00**
	Basic rate	141							
	Area weghtage @ 6%	8.46							
	Total	149.46							
10	Providing and constructing precast concrete solid blocks with compressive strength not less than 35Kg/sqm with cement mortar 1:4 masonary (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superastructure including cost of materials, labour charges, scaffolding, curing complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Sqm							
	For Flaging Course								
	Venkataswammi House		2	25.2		0.4	20.16		
	Temple opposite Road		2	11.5		0.6	13.80		
						Total	**33.96**	**966.72**	**32830.00**
						Tender Quantity	**520.00**		
	Basic rate	912							
	Area weghtage @ 6%	54.72							
	Total	966.72							
11	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab complete.and as per the directions of the Engineer-in-charge of the work	Sqm							
	For Flaging Course								
	Venkataswammi House		1	25.2	0.75		18.90		
	Nagesh House		1	116.6	0.9		104.94		
	For New SSm Drain								
	VR Super Market Oppossite		1	63.40	1.20		76.08		
	Raju House		1	80.6	1.2		96.72		
	Temple opposite Road		1	11.5	0.90		10.35		
	Agrahara layout								
	3rd Main 7th Cross		2	120	0.90		216.00		
	1St Main 1St Cross		1	51	0.90		45.90		
	New CC Drain								
	Cross Road		1	57.3	0.90		51.57		
	Cross Road		1	35.3	0.75		26.48		
						Total	**646.94**	**2100.00**	**1358564.00**
						Tender Quantity	**864.00**		
	Data Rate	2100							

12	Providing and laying cement concrete using 20mm and down size granite jelly f ready mixed (RMC) for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, from works and ascaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cmemnt concrete M-20 for raft foundation, column footing. main and secondary beams complete as per specifications, and as per the directions of the Engineer-in-charge of the work	Cum							
	CC Road								
	V R Super Market BackSide		1	83.30	5.63	0.10	46.90		
						Total	**46.90**		
						Tender Quantity	**40.00**		
						Qty upto 125%	**46.90**	**5770.64**	**270631.00**
	Basic rate	5440							
	Area weghtage @ 6%	326.4							
	Total	5766.4							
13	Providing & fixing 20mm thick comprtessible fibre board in expansion joint complete as per drawing & technical specifications Complete as per specifications, and as per the directions of the Engineer-in-charge of the work	m							
	CC Road								
	V R Super Market BackSide		25	4.00			100.00		
						Total	**100.00**	**126.14**	**12614.00**
						Tender Quantity	**100.00**		
	Basic rate	119							
	Area weghtage @ 6%	7.14							
	Total	**126.14**							
14	Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog disc including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diisc etc. with all lead and lift. and as per the directions of the Engineer-in-charge of the work	Sqm							
	CC Road								
	V R Super Market BackSide		1	83.30	5.63		469.02		
						Total	**469.02**		
						Tender Quantity	**400.00**		
						Qty upto 125%	**469.02**	**72.08**	**33807.00**
	Basic rate	68							
	Area weghtage @ 6%	4.08							
	Total	**72.08**							

15	Loading and Unloading of stone boulders by manual means complete as per specification and as per the directions of the Engineer-in-charge of the work									
		Cum	Qty. Vide Item No. 1				789.51			
						Total	789.51			
						Tender Quantity	462.13			
						Qty upto 125%	577.66	60.42	34902.00	
						Qty above 125%	211.85	60.42	12800.00	
	Basic rate	57								
	Area weghtage @ 6%	3.42								
	Total	**60.42**								
E1	KSRRB M2100 PCC 1 KSRRB M2100-10. Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum								
	New CC Drain									
	Cross Road		1	57.30	1.50	0.15	12.89			
	Cross Road		1	35.3	1.1	0.15	5.82			
						Total	**18.72**	**5421.90**	**101482.00**	
	Basic rate	5115.00								
	Area weghtage @ 6%	306.9								
	Total	5421.90								
E2	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification-WALL & Bottom thickness 15Cm complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Cum								
	New CC Drain									
	Bottom Raft									
	Cross Road		1	57.30	1.20	0.15	10.31			
	Cross Road		1	35.3	1	0.15	5.30			
	Wall									
	Cross Road		2	57.3	0.15	0.6	10.31			
	Cross Road		2	35.3	0.15	0.6	6.35			
						Total	**32.28**	**7070.20**	**228205.00**	
	Basic rate	6670.00								
	Area weghtage @ 6%	400.2								

	Total	7070.20							
E3	providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work	Tonne							
	for drain 75 kg/cum		0.075	32.28			**2.42**	**75223.96**	**182100.00**
	Basic rate	70966							
	Area weghtage @ 6%	4257.96							
	Total	75223.96							
	Sub Total								**4223688.69**
	For 12% Applicable GST								**506843.00**
	For 3% KRIDL Charges								**126711.00**
	For 1% Labour Cess								**42237.00**
	For 2% DPR And PMC Charges								**100000.00**
	Miscesallaneous Charges	**L/S**							**520.31**
	Total Amount								**5000000.00**

CERTIFICATE:
1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum
4) The estimate is based on C.S.R of 2018-2019,Issue rates and Data Rates.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

Technical Sanction
Accorded For RSSR, Walacheru
Head of A/C P3727
CER NO :...38..... Dt:30.03.2020

CE (YNKL)